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<u>L12</u>	((cpu or host or computer) near8 (target or destination)) and ((policy or usage) near4 registration).clm.	6	<u>L12</u>
<u>L11</u>	L10 and ((policy or usage) near4 registration)	1	<u>L11</u>
<u>L10</u>	L9 and ((cpu or host or computer) near8 (target or destination))	245	<u>L10</u>
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<u>L8</u>	L7 and l6	1	<u>L8</u>
<u>L7</u>	(cpu or host or computer) near8 (target or destination)	12773	<u>L7</u>
<u>L6</u>	(policy or usage) near4 registration	157	<u>L6</u>
<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>			
<u>L5</u>	L4 and l3 and l2	34	<u>L5</u>
<u>L4</u>	(cpu or host or computer) near8 (target or destination)	50393	<u>L4</u>
<u>L3</u>	(policy or usage) near4 registration	645	<u>L3</u>
<u>L2</u>	(cpu or host or computer) near8 ((policy or usage) near4 (information or message or repl\$4))	1752	<u>L2</u>
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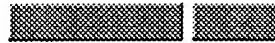
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Best 200 shown

1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren


November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on**
Publisher: IBM Press

Full text available:  [pdf\(4.21 MB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on pr often used to obtain a better understanding of the execution of the application. The visualization event tracer developed at the University of Waterloo. However, these diagrams are often very c provide the user with the desired overview of the application. In our experience, such tools disp of non-trivial commun ...

2 [Link and channel measurement: A simple mechanism for capturing and replaying wireless](#)

 Glenn Judd, Peter Steenkiste

August 2005 **Proceeding of the 2005 ACM SIGCOMM workshop on Experimental approach design and analysis E-WIND '05**
Publisher: ACM Press

Full text available:  [pdf\(6.06 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Physical layer wireless network emulation has the potential to be a powerful experimental tool. in physical emulation, and traditional simulation, is to accurately model the wireless channel. In the possibility of using on-card signal strength measurements to capture wireless channel trace this approach is the simplicity and ubiquity with which these measurements can be obtained sin devices provide the req ...

Keywords: channel capture, emulation, wireless

3 [Design and implementation of a portable and adaptable load balancing framework](#)

Erik Putrycz


October 2003 **Proceedings of the 2003 conference of the Centre for Advanced Studies on C**
Publisher: IBM Press

Full text available:  [pdf\(902.69 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Scaling applications to large networks and an increasing number of users has been since years . Today, well known technologies exist to scale applications to local networks but scaling to large latency is still a challenge. Load balancing at the middleware level allows more flexibility (In ter distribution) than existing solutions based at lower system levels. However, it requires an execu mechanisms to be integr ...

4 [The design and performance of a real-time CORBA event service](#)

 Timothy H. Harrison, David L. Levine, Douglas C. Schmidt

October 1997 **ACM SIGPLAN Notices, Proceedings of the 12th ACM SIGPLAN conference on programming, systems, languages, and applications OOPSLA '97**, Volume 32 Iss

The CORBA Event Service provides a flexible model for asynchronous communication among objects. The standard CORBA Event Service specification lacks important features required by real-time applications. Operational flight programs for fighter aircraft have complex real-time processing requirements. The design and performance of an object-oriented, real-time implementation of the CORBA Event Service must meet these requirements. This paper ...

5 Operating systems for sensor networks: Design and implementation of a single system image for ad hoc networks



Hongzhou Liu, Tom Roeder, Kevin Walsh, Rimon Barr, Emin Gün Sirer

June 2005

Proceedings of the 3rd international conference on Mobile systems, applications, and services (MobiSys '05)

Publisher: ACM Press

Full text available:  [pdf\(261.28 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

In this paper, we describe the design and implementation of a distributed operating system for sensor networks. The system simplifies the programming of ad hoc networks and extends total system lifetime by making the network appear as a single virtual machine. It automatically and transparently partitions applications into tasks and dynamically finds them a placement on nodes within the network to reduce energy consumption and prolong longevity. This paper describes our pr ...

6 Special issue: AI in engineering



D. Sriram, R. Joobbani

April 1985

ACM SIGART Bulletin, Issue 92

Publisher: ACM Press

Full text available:  [pdf\(8.79 MB\)](#)

Additional Information: [full citation](#), [abstract](#)

The papers in this special issue were compiled from responses to the announcement in the July SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area was evident from the papers received from over six countries. About half the papers were received over the computer.

7 Storage protocol designs: A study of iSCSI extensions for RDMA (iSER)



Mallikarjun Chadalapaka, Hemal Shah, Uri Elzur, Patricia Thaler, Michael Ko

August 2003

Proceedings of the ACM SIGCOMM workshop on Network-I/O convergence: challenges and implications

Publisher: ACM Press

Full text available:  [pdf\(281.32 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The iSCSI protocol is the IETF standard that maps the SCSI family of application protocols onto TCP/IP networks. The ability to efficiently transfer storage traffic over TCP/IP fabrics is crucial for this convergence of the storage traffic. The iWARP protocol suite implements RDMA semantics over TCP/IP networks and enables efficient memory-to-memory access over an IP fabric. This paper studies the ...

Keywords: DA, DDP, DI, Datamover, MPA, RDMA, RDMAP, SCSI, Verbs, iSCSI, iSER, iWARP

8 A structural view of the Cedar programming environment




Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann

August 1986

ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 8

Publisher: ACM Press

Full text available:  [pdf\(6.32 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

This paper presents an overview of the Cedar programming environment, focusing on its overall architecture and the way the major components are organized. Cedar supports the development of a single programming language, also called Cedar. Its primary purpose is to increase the productivity of those activities that include experimental programming and the development of prototype software for a personal computer. T ...

9 A sliding-agent-group communication model for constructing a robust roaming environment

Chung Fan Liu, Chyi Nan Chen

February 2003 **Mobile Networks and Applications**, Volume 8 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(334.33 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

In this paper, a model called SAGCoM (Sliding-Agent Group Communication Model) is proposed roaming environment over Internet. SAGCoM is based on the concept of agent and group communication. The coupling of two connected individual networks, so that the error occurred in one network does not propagate to the other one. The operation of different communication adapters (also called tiers) is integrated through the operation ...

Keywords: fault-tolerant, mobile agent, wireless Internet, wireless communication

10 Defending wireless infrastructure against the challenge of DDoS attacks

Xianjun Geng, Yun Huang, Andrew B. Whinston

June 2002 **Mobile Networks and Applications**, Volume 7 Issue 3

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(313.57 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index term](#)

This paper addresses possible Distributed Denial-of-Service (DDoS) attacks toward the wireless Wireless Extended Internet, the Wireless Portal Network, and the Wireless Ad Hoc network. We propose a model for defending against DDoS attacks on the wireless Internet, which incorporates both technical solutions and economic incentive mechanisms built on usage-based fees. Cost-effectiveness is demonstrated by an illustrative implementation scheme ...

Keywords: DDoS attack, PBN, wireless ad hoc network, wireless extended internet, wireless in portal network


11 Technical reports



SIGACT News Staff

January 1980 **ACM SIGACT News**, Volume 12 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(5.28 MB\)](#)

Additional Information: [full citation](#)

12 Practitioners report: The parks PDA: a handheld device for theme park guests in squeak



Yoshiki Ohshima, John Maloney, Andy Ogden

October 2003 **Companion of the 18th annual ACM SIGPLAN conference on Object-oriented systems, languages, and applications**

Publisher: ACM Press

Full text available:  [pdf\(488.82 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

The Parks PDA is a lightweight, handheld device for theme park guests that functions as a combi and digital camera. Together with a small team of artists and designers, we created a prototype for a three hour guest experience, including a camera interface, a hyper-linked guide book, three spotters guide, a cross-referenced map, animated movies with lip-synched sound, a ride reservation system. Over 800 visitors to Disney's Animal Kingdom ...

Keywords: PDA, development environment, end-user software, handheld device, multimedia development software


13 JRes: a resource accounting interface for Java



Grzegorz Czajkowski, Thorsten von Eicken

October 1998 **ACM SIGPLAN Notices , Proceedings of the 13th ACM SIGPLAN conference on programming, systems, languages, and applications OOPSLA '98**, Volume 33 Issue 10

Publisher: ACM Press

Full text available:  [pdf\(2.01 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index term](#)

With the spread of the Internet the computing model on server systems is undergoing several changes. Recent research ideas concerning dynamic operating system extensibility are finding their way into the domain, resulting in designs of extensible databases and Web servers. In addition, both ordinary

providers must deal with untrusted downloadable executable code of unknown origin and intent
Java has emerged as the language of choice for ...

Keywords: Java, extensible systems, resource management

14 A public-key based secure mobile IP

John Zao, Joshua Gahm, Gregory Troxel, Matthew Condell, Pam Helinek, Nina Yuan, Isidro Castine
October 1999 **Wireless Networks**, Volume 5 Issue 5

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(255.65 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

15 DHT: OpenDHT: a public DHT service and its uses

 Sean Rhea, Brighten Godfrey, Brad Karp, John Kubiawicz, Sylvia Ratnasamy, Scott Shenker, Ion
August 2005 **Proceedings of the 2005 conference on Applications, technologies, architectures,
computer communications SIGCOMM '05**

Publisher: ACM Press

Full text available:  [pdf\(535.74 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Large-scale distributed systems are hard to deploy, and distributed hash tables (DHTs) are no exception. To overcome the barriers facing DHT-based applications, we have created a public DHT service called OpenDHT. OpenDHT can be widely shared, both among mutually untrusting clients and among a variety of applications, without incurring the challenges. First, there must be adequate control over storage allocation so that greedy or malicious clients get no more than their fair share. See ...

Keywords: distributed hash table, peer-to-peer, resource allocation

16 IP Easy-pass: a light-weight network-edge resource access control

Haining Wang, Abhijit Bose, Mohamed El-Gendy, Kang G. Shin
December 2005 **IEEE/ACM Transactions on Networking (TON)**, Volume 13 Issue 6

Publisher: IEEE Press

Full text available:  [pdf\(721.97 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Providing real-time communication services to multimedia applications and subscription-based Internet services requires that sufficient network resources be reserved for real-time traffic. However, the reservation mechanism is susceptible to resource theft and abuse. Without a resource access control mechanism that can distinguish legitimate real-time traffic from attacking packets, the traffic conditioning and policing enforced by the Internet Service Provider (ISP) edge router ...

Keywords: network QoS, resource access control

17 Data base directions: the next steps

 John L. Berg
November 1976 **ACM SIGMOD Record , ACM SIGMIS Database**, Volume 8 , 8 Issue 4 , 2

Publisher: ACM Press

Full text available:  [pdf\(9.95 MB\)](#)

Additional Information: [full citation](#), [abstract](#)

What information about data base technology does a manager need to make prudent decisions about the future of the technology? To provide this information the National Bureau of Standards and the Association for Computing Machinery established a workshop of approximately 80 experts in five major subject areas. The five subjects were: evolving technology, government regulations, standards, and user experience. Each area prepared a paper for these proceedings. The proceedings pages ...

Keywords: DBMS, auditing, cost/benefit analysis, data base, data base management, government management objectives, privacy, security, standards, technology assessment, user experience

18 An open architecture for next-generation telecommunication services

Gregory W. Bond, Eric Cheung, K. Hal Purdy, Pamela Zave, J. Christopher Ramming



Publisher: ACM Press

Full text available: [pdf\(237.24 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index term](#)

An open (in the sense of extensible and programmable) architecture for IP telecommunications comprehensive strategy for managing feature interaction. We describe our experience with BoxOS telecommunication platform that implements the DFC technology for feature composition. We present problems, common to all efforts in IP telecommunications, of feature distribution, interoperability management. We also explain how BoxOS addresses many deficiencies ...

Keywords: Component architectures, Intelligent Network architecture, Session Initiation Protocol, feature interaction, instant messaging, multimedia systems, network addressing, network interface optimization, network protocols, service creation

19 Terminating telephony services on the internet

Vijay K. Gurbani, Xian-He Sun

August 2004 **IEEE/ACM Transactions on Networking (TON)**, Volume 12 Issue 4

Publisher: IEEE Press

Full text available: [pdf\(544.74 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

We propose a general purpose service architecture for realizing services which start in the Public Network (PSTN) but terminate and execute on the Internet. We discuss the needs for such service efforts in this direction which lead to prototyping certain benchmark services, and the current situation. We demonstrate the feasibility of the architecture by focusing on services which involve wireline and wireless aspects (2G, ...)

Keywords: HTTP, SIP, internet, public switched telephone network(PSTN), services, wireless, voice

20 A system for authenticated policy-compliant routing



Barath Raghavan, Alex C. Snoeren

August 2004 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2004 ACM SIGCOMM Conference on Applications, technologies, architectures, and protocols for computer communication '04**, Volume 34 Issue 4

Publisher: ACM Press

Full text available: [pdf\(219.77 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Internet end users and ISPs alike have little control over how packets are routed outside of their ability to achieve levels of performance, reliability, and utility that might otherwise be attained. We have proposed a number of source-routing techniques to combat this limitation, and there has thus been independent ASes to ensure that such traffic does not circumvent local traffic policies, nor to access the correct party to characterize ...

Keywords: authentication, capabilities, overlay networks, source routing

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